

CLAIMS

1. A control apparatus for a vehicle which comprises a fuel cell for generating electricity, auxiliary equipment of the fuel cell, a secondary battery to be charged with electricity
5 generated by the fuel cell, and a motor to be fed with electricity from the fuel cell and/or the secondary battery, wherein the control apparatus commences start-up of the fuel cell, supplying electricity from the secondary battery to the auxiliary
10 equipment, monitors status of the fuel cell, and as the status meets a predetermined condition, computes an electric power at which the secondary battery discharges electricity, based on state of charge of the
15 secondary battery and remaining time to completion of the start-up of the fuel cell, and supplies electricity from the secondary battery to the motor at the computed electric power.
2. The control apparatus according to claim 1, wherein
20 the predetermined condition is based on the state of charge of the secondary battery.
3. The control apparatus according to claim 1, wherein the electric power is computed in the case the motor is fed with electricity from the secondary battery.
- 25 4. The control apparatus according to claim 1, wherein the electricity from the secondary battery is supplied to power-consuming auxiliary equipment before the motor.
5. The control apparatus according to claim 1, wherein the start-up of the fuel cell can be executed in a
30 plurality of procedures, one of the procedures is selected

depending on ambient conditions of the vehicle, and
the predetermined condition is set for each procedure.

6. The control apparatus according to claim 5, wherein
the remaining time to completion of the start-up of the
5 fuel cell is set for each procedure.

7. The control apparatus according to claim 5, wherein
the ambient conditions comprise ambient temperature of
the vehicle.

8. A method for starting up a vehicle which comprises a fuel
10 cell for generating electricity, auxiliary equipment of the
fuel cell, a secondary battery to be charged with electricity
generated by the fuel cell, a motor to be fed with electricity
from the fuel cell and/or the secondary battery, the method
comprising:

15 commencing start-up of the fuel cell, supplying
electricity from the secondary battery to the auxiliary
equipment;

monitoring status of the fuel cell;

computing an electric power at which the secondary
20 battery discharges electricity, based on state of charge of the
secondary battery and remaining time to completion of the
start-up of the fuel cell, as the status meets a predetermined
condition; and

supplying electricity from the secondary battery to the
25 motor at the computed electric power.